Table of Contents: Volume 2, 1993

Number 1

Young Straightening in a Quotient S_n-Module ..... *Hélène Barcelo* 5

Highly Symmetric Subgraphs of Hypercubes ..... *A.E. Brouwer, I.J. Dejter, and C. Thomassen* 25

The Sperner Capacity of Linear and Nonlinear Codes for the Cyclic Triangle .. *A.R. Calderbank, P. Frankl, R.L. Graham, W.-C.W. Li, and L.A. Shepp* 31

A Distance-Regular Graph with Intersection Array (5, 4, 3, 3; 1, 1, 1, 2) Does Not Exist ..... *D.G. Fon-Der-Flaass* 49

Hilbert Polynomial of a Certain Ladder-Determinantal Ideal ..... *Devadatta M. Kulkarni* 57

The Subconstituent Algebra of an Association Scheme (Part II) ..... *Paul Terwilliger* 73

Number 2

Combinatorics of Maximal Minors ..... *David Bernstein and Andrei Zelevinsky* 111

On the Sperner Capacity of the Cyclic Triangle ..... *Aart Blokhuis* 123

Nonnegative Hall Polynomials ..... *Lynne M. Butler and Alfred W. Hales* 125

Two Remarks on Independent Sets ..... *Hans-Gert Gräbe* 137

Semiboolean SQS-skeins ..... *Andreas J. Guelzow* 147

Alternating Sign Matrices and Some Deformations of Weyl's Denominator Formulas ..... *Soichi Okada* 155

The Subconstituent Algebra of an Association Scheme, (Part III) ..... *Paul Terwilliger* 177

Number 3

Two-Arc Transitive Graphs and Twisted Wreath Products ..... *Robert W. Baddeley* 215

Random Walks in Weyl Chambers and the Decomposition of Tensor Powers .. *David J. Grabiner and Peter Magyar* 239

Reconstructing a Generalized Quadrangle from Its Distance Two Association Scheme ..... *Sylvia A. Hobart and Stanley E. Payne* 261

Cocyclic Development of Designs ..... *K.J. Horadam and W. de Launey* 267

Basic Derivations for Subarrangements of Coxeter Arrangements ..... *Tadeusz Józefiak and Bruce E. Sagan* 291

Number 4

Association Schemes and Fusion Algebras (An Introduction) ..... *Eiichi Bannai* 327

Some Combinatorial Properties of Schubert Polynomials ..... *Sara C. Billey, William Jockusch, and Richard P. Stanley* 345

Some Extensions and Embeddings of Near Polygons ..... *Hans Cuypers and Thomas Meixner* 375

A q-Analog of the Hook Walk Algorithm for Random Young Tableaux ..... *S. Kerov* 383

Partial Difference Triples ..... *Ka Hin Leung and Siu Lun Ma* 397

The Automorphism Group and the Convex Subgraphs of the Quadratic Forms Graph in Characteristic 2 ..... *A. Munemasa, D.V. Pasechnik, and S.V. Shpectorov* 411